

33. A method of transmitting a multicarrier signal including:  
generating a plurality of periodic pulses having a pulse period wherein the pulses have a frequency spectrum comprising a plurality of incrementally spaced-in-frequency carrier signals having a uniform frequency spacing between adjacent carrier signals, the uniform frequency spacing being a function of the pulse period, modulating the pulses with an information signal, the information-modulated pulses having amplitudes that are a function of the information signal, and coupling the modulated pulses into a communication channel.

B<sub>1</sub>  
Concl.

## REMARKS

The requested amendments are not matters of substance and they will require very little consideration by the examiner.

Typographical errors in the specification were corrected.

Claim 21 claims an apparatus enabled to transmit at least one carrier signal, which is shown in Figure 1 of the drawings, described with reference to Figure 2 and Figure 3, and described throughout the specification, such as on page 20, line 3 to 17.

Claim 22 claims an apparatus capable of providing frequency selection of a multicarrier transmission signal, which is shown in Figure 1, described with respect to Figure 2 and Figure 3, and described in the specification, such as on page 21, line 35 to page 22, line 26.

Claim 23 claims a method of communicating as described in the specification with respect to Figure 1, such as on page 10, line 29 to page 12, line 10.

Claim 24 claims a method of transmitting a multicarrier signal as described in the specification with respect to Figure 1, such as on page 10, line 29 to page 11, line 2, page 13, lines 14 to 19, and page 15, lines 14 to 17.

Claim 25 claims a method of transmitting a CIMA signal as described in the specification, such as on page 20, lines 3 to 17 and shown in Figure 2, Figure 3, Figure 7A, Figure 7B, and Figure 8.

Claim 26 claims a method of transmitting a CIMA signal as described throughout the specification, such as on page 10, line 29 to page 11, line 2, page 18, line 17 to 27, and page 20, lines 3 to 17. The method of transmitting a CIMA signal is also described with reference to Figure 2, Figure 3, Figure 7A, Figure 7B, and Figure 8.

Claim 27 claims a CIMA transmitter as described throughout the specification, such as on page 18, lines 17 to 27 and page 20, lines 3 to 17. A CIMA transmitter is shown in Figure

1 and the function of the CIMA transmitter is described with respect to Figures 2 through 18.

Claim 28 claims a CIMA transmitter that is described in the specification, such as on page 10, line 29 to page 11, line 2, page 18, lines 17 to 27, and page 20, lines 3 to 17.

Claim 29 claims a multicarrier transmitter that is described with respect to Figure 1 in the specification, such as on page 9, line 21 to page 10, line 3.

Claim 30 claims a multicarrier-signal generator shown in Figure 1 and described throughout the specification, such as on page 18, lines 17 to 27 and on page 19, line 24 to page 20, line 2.

Claim 31 claims a multicarrier-signal generator shown in Figure 1 and described throughout the specification, such as on page 10, line 29 to page 11, line 2, page 18, lines 17 to 27, and on page 19, line 24 to page 20, line 2.

Claim 32 claims a method of generating a multicarrier signal described in the specification, such as on page 10, line 29 to page 11, line 2, page 18, lines 17 to 27, and on page 19, line 24 to page 20, line 2.

Claim 33 claims a method of transmitting a multicarrier signal described in the specification, such as on page 13, lines 10 to 13, page 18, lines 17 to 27, and on page 19, line 24 to page 20, line 2.

Very Respectfully,

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Approved for use through 9/30/98. OMB 0651-0032  
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PTO/SB/06 (8-96)

# PATENT APPLICATION FEE DETERMINATION RECORD

Application or Docket Number

CIMA DIV 01

CLAIMS AS FILED - PART I			SMALL ENTITY		OR		OTHER THAN SMALL ENTITY	
(Column 1)	(Column 2)	(Column 3)	RATE	FEE		RATE	FEE	
FOR	NUMBER FILED	NUMBER EXTRA						
BASIC FEE (37 CFR 1.16(a))				\$	OR		\$	
TOTAL CLAIMS (37 CFR 1.16(c))	minus 20 =	*	x \$	=	OR	x \$	=	
INDEPENDENT CLAIMS (37 CFR 1.16(b))	minus 3 =	*	x	=	OR	x	=	
MULTIPLE DEPENDENT CLAIM PRESENT (37 CFR 1.16(d))			+	=	OR	+	=	
			TOTAL		OR	TOTAL		

\* If the difference in column 1 is less than zero, enter "0" in column 2

CLAIMS AS AMENDED - PART II					SMALL ENTITY		OR		OTHER THAN SMALL ENTITY	
(Column 1)	(Column 2)	(Column 3)	(Column 4)	(Column 5)	RATE	ADDITIONAL FEE		RATE	ADDITIONAL FEE	
AMENDMENT A	CLAIMS REMAINING AFTER AMENDMENT		HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA						
	Total (37 CFR 1.16(c))	* 33	Minus	** 20	=	117		x \$	=	
	Independent (37 CFR 1.16(b))	* 18	Minus	*** 5	=	507		x	=	
	FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(d))					+	=	8		
					TOTAL	624	OR	TOTAL		

(Column 1)	(Column 2)	(Column 3)	(Column 4)	(Column 5)	RATE	ADDITIONAL FEE		RATE	ADDITIONAL FEE
AMENDMENT B	CLAIMS REMAINING AFTER AMENDMENT		HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA					
	Total (37 CFR 1.16(c))	*	Minus	**	=			x \$	=
	Independent (37 CFR 1.16(b))	*	Minus	***	=			x	=
	FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(d))					+	=		
					TOTAL		OR	TOTAL	

(Column 1)	(Column 2)	(Column 3)	(Column 4)	(Column 5)	RATE	ADDITIONAL FEE		RATE	ADDITIONAL FEE
AMENDMENT C	CLAIMS REMAINING AFTER AMENDMENT		HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA					
	Total (37 CFR 1.16(c))	*	Minus	**	=			x \$	=
	Independent (37 CFR 1.16(b))	*	Minus	***	=			x	=
	FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(d))					+	=		
					TOTAL		OR	TOTAL	

\* If the entry in column 1 is less than the entry in column 2, write "0" in column 3.

\*\* If the "Highest Number Previously Paid For" IN THIS SPACE is less than 20, enter "20".

\*\*\* If the "Highest Number Previously Paid For" IN THIS SPACE is less than 3, enter "3".

The "Highest Number Previously Paid For" (Total or Independent) is the highest number found in the appropriate box in column 1.

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